

MODIFIED PROTEIN FOR INTRODUCING GENE AND ITS PRODUCTION**Publication number:** JP8089278 (A)**Publication date:** 1996-04-09**Inventor(s):** TAKAHARA YOSHIYUKI; YAMADA NAOYUKI; MOTOKI MASAO +**Applicant(s):** AJINOMOTO KK +**Classification:**

- **international:** C12N15/09; A61K38/00; A61K47/48; A61K48/00; C07K1/113; C07K14/195; C07K14/41; C07K14/52; C07K14/54; C07K14/55; C07K19/00; C12N9/10; C12P21/02; C12N15/09; A61K38/00; A61K47/48; A61K48/00; C07K1/00; C07K14/195; C07K14/41; C07K14/435; C07K19/00; C12N9/10; C12P21/02; (IPC1-7): A61K48/00; C12P21/02; A61K38/00; C07K1/113; C12N9/10; C12N15/09

- **European:** A61K47/48R2T; C07K14/54D

Application number: JP19940270102 19940929**Priority number(s):** JP19940270102 19940929**Also published as:** EP0704221 (A2) EP0704221 (A3) CN1129737 (A)**Abstract of JP 8089278 (A)**

PURPOSE: To obtain a peptide or a protein derivative to which a high polymer substance having ability including a nucleic acid is bound without impairing characteristics of physiologically active peptide or physiologically active protein. **CONSTITUTION:** The characteristic of this method for producing a physiologically active peptide or physiologically active protein including nucleic acid is to form an amino group of the amino donor and acid amide bond in an acid amide at γ -position of γ -glutamine residue by reacting a physiologically active peptide or a physiologically active peptide having at least one or more glutamine residues with a polymer substance having an amino donor and having ability including a nucleic acid in the presence of a transglutaminase (Glutaminyl-peptide: amine γ -glutamyltransferase). Furthermore, the peptide or protein derivative and the nucleic acid-including substance for producing the protein are provided. A gene can selectively be introduced into a cell using the derivative.

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